Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 8. (cancelled)

9. (presently amended)   An electronic appliance, comprising:

    one or more dipole antenna(e);

    one or more transceiver(s), coupled with the one or more dipole antenna(e), to communicate with other devices; and

    a hopping code engine to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network, <u>wherein the FHC is selected based on being able to decode a beacon signal,</u> wherein the FHC defines a sequence of two or more pulses over two or more frequencies and wherein the FHC's include a time slot that contains no transmission.

10. (original) The electronic appliance of claim 9, wherein the hopping code engine to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network comprises:

the hopping code engine to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in an Institute of Electrical and Electronics Engineers (IEEE) 802.15.3 network.

11. (original) The electronic appliance of claim 9, further comprising:

the hopping code engine to encode a communication to transmit using the selected FHC.

12. (original) The electronic appliance of claim 9, further comprising:

the hopping code engine to decode a communication received using the selected FHC.

13. – 20. (canceled)

21. (presently amended)   An apparatus, comprising:

one or more dipole antenna(e);

one or more transceiver(s), coupled with the dipole antenna(e), to communicate with other devices; and

control logic coupled with the transceiver(s), the control logic to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network, wherein the FHC is selected based on being able to decode a beacon signal, wherein the FHC defines a

sequence of two or more pulses over two or more frequencies and wherein the FHC's include a time slot that contains no transmission.

22. (original) The apparatus of claim 21, wherein the control logic to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in a multi-band ultra-wideband (MB-UWB) network comprises:

      control logic to select a frequency hopping code (FHC) from a set of predetermined FHC's for communicating with other devices in an Institute of Electrical and Electronics Engineers (IEEE) 802.15.3 network.

23. (original) The apparatus of claim 21, further comprising:

      control logic to encode a communication to transmit using the selected FHC.

24. (original) The apparatus of claim 21, further comprising:

      control logic to decode a communication received using the selected FHC.

25. – 28. (canceled)